

# DCF-UN-100/250-22

## Beam Delivery Fiber



The DCF-UN-100/250-22 passive fiber features excellent geometrical properties and matches most industry-standard active fibers on the market. With its large core diameter, this multi-mode fiber is ideal as a beam delivery cable for high-power CW fiber lasers.

## Features & Benefits

- Compatible with industry-standard active fibers
- Low background losses
- Excellent geometrical properties

## Applications

- Fiber laser beam delivery

## Specifications

### Optical

Numerical Aperture - Core	0.22 ± .02
Numerical Aperture - Cladding	> 0.45
Background Loss @ 1200 nm (dB/m)	< 10

### Geometrical & Mechanical

Core Diameter (µm)	100 ± 5
Cladding Diameter (µm)	250 ± 5
Core/Cladding Concentricity Error (µm)	> 5
Coating Diameter (µm)	375 ± 20
Proof Test (kpsi)	≥ 100

### Environmental

Operating Humidity (%)	5 - 85
Operating Temperature (C°)	0 - 70
Storage Humidity (%)	5 - 85
Storage Temperature (C°)	-40 - 85

ISO 9001:2015 certified quality system | RoHS and REACH compliant.  
All specifications are subject to change without notice. Reference: 101-10-0660.R1